

Abstract of the Disclosure

An illumination system is disclosed, which includes a first light source and a second light source configured to emit light when the first light source is not emitting light. A polarizing element accepts light from the first and second light sources. The polarizing element emits, along a light path, light from the first light source with a first polarization orientation. The polarizing element emits, along the light path, light from the second light source with a second polarization orientation. A homogenizing element receives and homogenizes polarized light from the polarizing element. A polarization rotator receives light from the homogenizing element. The polarization rotator selectively rotates one of the first and second polarization orientations to ensure light emitted therefrom maintains a constant polarization orientation.